

**WHAT IS CLAIMED IS:**

1. A method for manufacturing a digital camera with a function of a pen comprising the steps of:

making a circuit module and a photo capture module at the same  
5 substrate;

fixing the circuit module and photo capture module by silicon so that a circuit substrate matching forms of a casing, a lens, an LCD display screen, I / O ports, and a control portion for controlling the key set;

encasing the circuit substrate closing by silicon using by a front and a  
10 rear casing, and matching the exposing portions to the respective portions of the casing; and

inserting a pen into a pen cover.

2. A method for manufacturing a digital camera with a function of a pen comprising the steps of:

15 making a circuit module and a photo capture module at the same substrate;

fixing the circuit module and photo capture module by silicon so that a circuit substrate matching forms of a casing, a lens, an LCD display screen, I / O ports, and a control portion for controlling the key set;

20 encasing the circuit substrate closing by silicon, and matching the exposing portions to respective portions of the casing;

covering a buffering rubber pad to a pen cover and a key set for increasing friction force; and

inserting a pen into a pen cover.

25 3. A method for manufacturing a digital camera with a function of a

pen as claimed in claim 1 or 2, wherein to matching the casing, the circuit module and photo capture module are made at the same circuit substrate.

4. A digital camera having functions of a digital camera and a pen, an embedding memory being used to record an image, and then an I / O port  
5 being used to transfer the image to a receiving end; the digital camera with a function of a pen comprising:

a casing module formed by a front casing and a rear casing and having a photo capture frame; a window having a transparent plate for viewing the object to be captured; an LCD display screen for displaying the residue  
10 sheets; an I / O port position; a pen cover being at a lower end of the casing and having tenons at an inner periphery for buckling a pen not to drop out, a key set and a buckling ring;

a circuit module having a microprocessor, a memory, a counting circuit, a power supply circuit, and an output port for transferring photograph data  
15 in a memory to a receiving end; and

a photo capture module having a photo lens;

wherein by the circuit module and photo capture module, a compact portable digital camera with a function of a pen is formed, it can be hung on the neck; the digital camera is used to record an image; therefore, the  
20 user can record data by photographs and writing by a pen.

5. The digital camera having functions of a digital camera and a pen as claimed in claim 4, wherein the key set is installed with a buffer pad for enhancing a friction force.

6. The digital camera having functions of a digital camera and a pen as  
25 claimed in claim 4, wherein the key set includes a power switch and a

photograph button.

7. The digital camera having functions of a digital camera and a pen as claimed in claim 4, wherein the I / O port is a USB port.

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